



**Stantec**

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August 14, 2008  
File: LV2008008

**Kentucky Office of the 911 Coordinator/CMRS Board**  
200 Mero Street  
Frankfort, KY 40622

**Attention: Mr. Ken Mitchell**

Dear Mr. Mitchell:

**Reference: CMRS Geospatial Audit  
Kentucky State Police Post 6 - Dry Ridge  
4265 US 25  
Dry Ridge, KY 41035**

The Geospatial Audit of Kentucky State Police Post 6 - Dry Ridge located in Grant County was conducted on 8/7/2008. Kentucky State Police Post 6 - Dry Ridge provides wireless 9-1-1 service for GRANT, NICHOLAS AND ROBERTSON COUNTIES.

#### **PSAP MAPPING SUMMARY**

Information on the mapping solution employed by the PSAP was collected as part of the audit process, which includes the type of software and system, the vendor, the version and the layers being used at the time of the audit. In addition, this summary may include notes and observations taken while conducting the audit. 202 KAR 6:100 requires that the mapping solution display the nearest address to an x,y point. The software used by Kentucky State Police Post 6 - Dry Ridge does not meet this requirement.

#### **FIELD DATA TESTING**

In accordance to the requirements of the Geospatial Audit, 20 random points for jurisdiction of the PSAP or for each county served by the PSAP were tested by collecting field GPS information and address information and comparing the results of plotting the two elements with the 9-1-1 solution employed by the PSAP. The result of this portion of the audit is that 0% of the points tested met the criteria of the Audit. Passing criteria is that 90% of the points tested shall meet the criteria set forth in 202 KAR 6:100, Section 4, Paragraph 4.

#### **WIRELESS 9-1-1 FUNCTION**

In accordance to the requirements of the Geospatial Audit, 20 wireless 9-1-1 calls were documented for data, software, and mapping function. The result of this portion of the audit is that 90% of the calls documented met the criteria of the Audit. Passing criteria is that 66% of the points tested shall meet the criteria set forth in 202 KAR 6:100, Section 4, Paragraph 3.

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**Reference: CMRS Geospatial Audit**

## CONCLUSION

Mapping Component	<b><u>Does not meet audit criteria</u></b>
Field Data Component	<b><u>Does not meet audit criteria with</u></b> 0% of points tested meeting criteria
Wireless Data Component	<b><u>Meets audit criteria with</u></b> 90% of calls tested meeting criteria

Based on the results of the audit, Kentucky State Police Post 6 - Dry Ridge does not meet the standards set by legislation and administrative regulation.

The detailed documentation of the audit with observations and recommendations is attached. The documentation is separated into a report of the software and data used by the PSAP with observations and recommendations; Field Data Report; and Wireless Data Report. Please note that supporting printouts and printed maps are included in the electronic copy of this report.

Sincerely,

**Stantec Consulting Services Inc.**

James B. Morse  
GIS Project Manager  
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Attachment: Report Details

c. Files

j:\2008proj\lv2008008\_cmrs\merged summary letter.doc

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# PSAP Mapping Component Summary

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**PSAP Name**                      Kentucky State Police Post 6 - Dry Ridge

**Address**                      4265 US 25

**Audit Date**                      8/7/2008

**City**                      Dry Ridge

**Audit Personnel**    MCCORMICK

**Contact**                      RADIO ROOM SUPERVISOR

**Contact Title**              c/o Post Commander

Software	Version	Vendor
INTERACT GEO 911	5.8	INTERACT PUBLI

## Mapping Layers Used

**Road Centerlines:**    ☒

**Point Addresses:**    ☐

**Ortho Photography:**    ☒

**Other Layers:**    ☒ **Type of 'other' layers used by PSAP:**

The map software is Interact Geo 911, the version is 5.8, the vendor is Interact Public Safety. The map has 32 layers: Airport, Heliport, structure, School, Hospital, Church, Cemetery, Place, Town, Road, Railroad, County, Stream, Water, City, Park- Nature Preserve, Grant Co. Buildings, Grant Co. Fire Districts, Boone County (image), Bourbon County (image), Bracken County (image), Campbell County (image), Grant County (image), Harrison County (image), Kenton County (image), Nicholas County (image), Pendleton County (image), Robertson County (image)

## Notes and Observations:

\*\*\*When plotting the location of an address, the software used by KSP will geocode the location on the centerline. Under the present circumstances, the system does not indicate which side of the centerline segment the address would be located. This is a design issue with the software. According to the software vendor, the ideal setup would utilize both street centerline and point address layers for locating address on the correct side of the segment. KSP Posts utilize only a street centerline layer. With only one data set, the functionality of the software is reduced. Since the interpretation of the KAR is that the software should indicate the side of the segment based on the associated ranges, the software solution currently does not meet the requirements of the audit. KSP has initiated steps to resolve the issue. At the time of this writing, there is no timeframe for implementing the resolution.

Observations and comments: (1) We understood going into the audit that no software changes had been made since the audit of Post 12 on 5/27/08. Since all of the map software is assumed to be identical it should have all the addresses to the road center line. Also learned from Post 12 the information for the county addresses were based on address ranges which can lead to the distances from the Lat/Long location being greater than 0.1 mile. (2) In addition to performing the audit we looking for any possible solutions within the software that might provide an indication which side of the road an address might be located. We were also hoping that data from different counties might provide other opportunities from the software.

The map was last up dated the week before 5/6/08. The map is up dated on a frequency determine by management in Frankfort. The data is obtained by Frankfort personnel and install by Frankfort personnel.

The data from the map was obtained by Supervisor - Jerry Keifer and the wireless 911 calls were obtained by dispatchers Amanda Davis and Darcia Woods.